MUNICIPAL
WASTEWATER-LAND APPLICATION PERMIT
LA-000203-01
Arrowrock Ranch Subdivision

Arrowrock Ranch Subdivision, Meridian, Idaho (Arbor Ridge LLC), Gregory B. Johnson, Manager, P.O. Box 344, Meridian, ID 83680), IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), AND THE GROUND WATER QUALITY RULE (IDAPA 58.01.11) AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON 2/22/2010.

Michael R. McG

Michael R. McGown, Administrator
Boise Regional Office

Date: 3/2/05

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 N. Orchard, Boise, Idaho 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

The Sections, Appendices, and References listed on this page are all elements of Wastewater-Land Application Permit LA-000203-01 and are enforceable as such. This permit does not relieve Arbor Ridge LLC, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
BOD_5	5-day Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Director's Designee, i.e. Regional Administrator
DTPA	Diethylenetriaminepentaacetate – a chelating agent that forms stable complexes with a variety of metal ions
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and plant uptake (transpiration)
GS	Growing Season – typically April 1 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11, *Ground Water Quality Rule*
Handbook or Guidelines	*Handbook for Land Application of Municipal and Industrial Wastewater* at the follow website link. http://www.deq.idaho.gov/water/permits_forms/permitting/guidance_wlap.pdf.
HLR_{gs}	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLR_{gs} limit is specified in Section F. *Permit Limits and Conditions.*
HLR_{ngs}	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLR_{ngs} limit is specified in Section F. *Permit Limits and Conditions.*
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement - Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the water requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ where: CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration; P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR); and E_i is the irrigation system efficiency. To obtain the irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
lb/ac-year	Pounds (of constituent) per acre per year

C. Abbreviations, Definitions

MG	Million Gallons (1 MG is equal to 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – typically November 1 through March 31 (151 days)
NTU	Nephelometric Turbidy Units
NVDS	Non-Volatile Dissolved Solids (equal to Total Dissolved Solids minus Volatile Dissolved Solids)
O&M Manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SBR	Sequencing Batch Reactor – biological wastewater treatment system operated in a batch mode
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity – the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids - the summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, silica, and fluoride shall be included if present in significant quantities (i.e. greater than 5 mg/L each).
TMDL	Total Maximum Daily Load - the sum of the individual waste-load allocations (WLA's) for point sources, load allocations (LA's) for non-point sources, and natural background levels entering a surface water body. The TMDL is or shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. See IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
TSS	Total Suspended Solids
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used
USGS	United States Geological Survey
UV	Ultraviolet disinfection
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 1 through October 31. For example, the 2000 Reporting Year was November 1, 1999 through October 31, 2000
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Arbor Ridge LLC, Gregory B. Johnson, Manager
Type of Wastewater	Municipal Wastewater
Method of Treatment	Sequencing Batch Reactor (biological treatment), coagulation, sand filtration, chlorine disinfection, and slow rate land treatment.
Type of Facility	Private
Facility Location	Southeast of the intersection of Kuna Mora and Cloverdale Roads. The subdivision is located approximately 2 miles east of the Mora
Legal Location	Township 1N, Range 1E, Section 3
County	Ada
USGS Quad	Kuna Mora
Soils on Site	Elijah silt loam (0 .5 to 5% slope)
Depth to Ground Water	86 to 186 feet to ground water
Beneficial Uses of Ground Water	Domestic, agricultural
Nearest Surface Water	North Indian Creek, Indian Creek
Beneficial Uses of Surface Water	Agricultural
Responsible Official Mailing Address	Gregory B. Johnson, Manager Arbor Ridge, LLC P.O. Box 344 Meridian, Idaho 83680 tele: 208-888-9946

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-203-01 **Plan & Specification Approval** Prior to the start of construction of the wastewater application system	Submit the construction plans, specifications, and draft Plan of Operation (O&M manual) for the storage pond and wastewater land application system to DEQ for review and approval. The basis for sizing the storage pond shall be provided. The plans, specifications and O&M manual shall address the pumping system that recovers wastewater from the storage pond, the distribution system to the HMU's, the application system, the control system, and the HMU's themselves. See CA-203-03 for specific items that the O&M manual shall address.
CA-203-02 **Seepage Rate Testing** As specified	Complete seepage rate testing on the effluent storage lagoon, in accordance with DEQ-approved procedures and submit a report summarizing the test results for DEQ review and approval. If any deviations from DEQ-approved procedures are planned, submit testing procedures to DEQ for review and approval 30 days prior to conducting the test. DEQ approval of initial test results is required before any treated wastewater can be placed in the pond. Conduct annual seepage rate tests and report results to DEQ. The measured seepage rate shall satisfy DEQ criteria (less than 1/8 inch per day). DEQ approval of the initial seepage rate test report is required prior to using the lagoon for storage of effluent. DEQ will direct action to be taken if subsequent tests do not satisfy DEQ criteria.
CA-203-03 **Plan of Operation** Prior to startup of wastewater treatment system	Submit the final Plan of Operation (O&M manual) to DEQ for review and approval. The manual shall be designed for use as an operator guide for day-to-day operations and maintenance to meet permit requirements. The O&M manual shall include sampling and monitoring requirements to ensure proper operation of the wastewater treatment facility. The manual shall set forth procedures to be followed in case of abnormal site or weather conditions, wastewater treatment plant upset conditions and emergencies such as power outages and fires. It shall provide specific criteria for determining when land application should not be performed based on weather conditions, ground temperature, surface conditions such as snow cover and other relevant factors. The manual shall also include requirements for maintaining the HMU areas including mowing and vegetation removal. A contingency plan for odor control shall be provided. Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-203-04 **Waste Solids Management Plan** Prior to startup of wastewater treatment system	Submit a Waste Solids Management Plan to DEQ for review and approval. The Plan shall describe how waste solids generated by the wastewater treatment plant and wastewater land application system (e.g., storage pond sludge) will be handled and disposed of to meet the requirements of section I, No. 5 of this permit and EPA regulation 40 CFR 503.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-203-05 **Compliance with Agreement Requirements** Prior to startup of wastewater treatment system	Submit a report summarizing the status of each of the requirements outlined in the signed and dated *Agreement Regarding Approval of Plans and Specifications* (Agreement), including copies of the required documents. Each of the applicable conditions in the Agreement shall be completed prior to startup of the wastewater treatment or land application systems.
CA-203-06 **Record Plans & Specifications** Prior to discharge of treated wastewater to the storage pond and/or wastewater land application	Submit record plans and specifications depicting the storage pond and wastewater land application system as constructed to DEQ for review and acceptance.

F. Permit Limits and Conditions

1) The permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permitted Limits and Conditions
Type of Wastewater	Municipal Wastewater
Application Site Area	HMU-1: 9.0[1] acres or less (GS); HMU-1 and HMU-2: 29.3[1] acres or less (NGS) Note 1: Actual application areas within HMU's may be adjusted as required to avoid hydraulic or nutrient overloading.
Application Period	Growing Season April 1 through October 31; Non-Growing Season November 1 through March 31
Reporting Year for Annual Loading Rates	November 1 through October 31
Maximum Hydraulic Loading Rate, HLR_{GS} (wastewater only)	Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the DEQ *Handbook for Land Application of Municipal and Industrial Wastewater* located at the following website link: http://www.deq.idaho.gov/water/permits_forms/permitting/guidance_wlap.pdf. Application shall generally follow consumptive use rates for the crop throughout the season. The GS Hydraulic Loading Rate shall take into account the need to prevent hydraulic overloading during the NGS. Irrigation application activities shall be spaced uniformly throughout each month to the greatest extent possible to avoid problems with ponding, runoff or over-saturation of the subgrade due to hydraulic overloading. Irrigation shall not be performed under conditions where immediate absorption into the soil at the application rate is not possible (e.g., during or immediately after heavy precipitation) or when irrigation spray is visibly being carried beyond HMU boundaries by the wind.

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Maximum Hydraulic Loading Rate, HLR_{NGS} (wastewater only)	The maximum non-growing season hydraulic loading rate is 5.9 inches. Wastewater application activities shall be spaced uniformly throughout each month to the greatest extent possible to avoid problems with ponding, runoff or over-saturation of the subgrade due to hydraulic overloading. Application shall not be performed under conditions where immediate absorption into the soil at the application rate is not possible (e.g., frozen soil or during or immediately after heavy precipitation) or when irrigation spray is visibly being carried beyond HMU boundaries by the wind.
No Runoff	No runoff is allowed from any site or fields used for wastewater land application except after a 25-year, 24-hour storm event or greater using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 "Isopluvials of 25-YR, 24-HR Precipitation". For this site, the 25-year, 24-hour event is 2.4 inches.
Ground Water Quality	Ground Water Quality shall be in compliance with *Idaho Ground Water Quality Rule* IDAPA 58.01.11
Maximum COD Loading, annual average in pounds/acre-day	50 pounds/acre-day (GS and NGS)
Maximum Nitrogen Loading Rate, **Pounds/acre-year, each HMU**	150% of typical crop uptake from all sources including manure from grazing and supplemental fertilizers, or UI Fertility Guide – combined total for Growing and Non-Growing Season
Maximum Phosphorus Loading Rate	None. DEQ reserves the right to re-open this permit for inclusion of phosphorus limits.
Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the guidance located on the DEQ Internet site.
Allowable crops	Crops grown for direct human consumption are not allowed
Fencing and Posting	The perimeters of the Hydraulic Management Units shall be enclosed within woven pasture fence or DEQ approved equal to discourage entry of children and small animals into those areas. Signs shall be placed on the corners and at least every 500 feet between the corners along the perimeters of the Hydraulic Management Units. The signs shall read "Irrigated with Treated Wastewater – Do Not Drink" or equivalent.

F. Permit Limits and Conditions

Potable Water Protection	For systems with wastewater and potable water interconnections, DEQ-approved backflow prevention devices are required for protection of potable water sources.
Storage Pond	The storage pond shall be synthetically lined and have sufficient capacity to store wastewater inflows in excess of monthly hydraulic loading limits plus an additional reserve capacity of 0.70 MG with 2 feet of freeboard. Sub-grade preparation for the liner including separation of the liner from the bedrock and the material characteristics of the liner bedding material shall be in strict accordance with the requirements of the liner manufacturer.
Buffer Zones	The following minimum distances shall be provided between areas using reclaimed water and Domestic water wells: 100 feet Municipal water wells: Site-specific (requires DEQ plan and specification review prior to construction. Surface water: 50 feet Private Property: 0 feet Public Access Areas: 0 feet
Wastewater Operator Certification	The facility shall be operated, at a minimum, by a Class III operator licensed in the State of Idaho as specified in the Water Quality Standards and Wastewater Treatment Requirements (IDAPA 58.01.02) Sections 403 – 413.
Maximum Domestic Wastewater flow rate to SBR treatment system	30,000 gallons per day (11.0 MGA)
Total Coliform, disinfected effluent from wastewater treatment system	The median number of total coliform organisms shall not exceed 2.2 per 100 milliliters, as determined from the results of the last three (3) days for which analyses have been completed.

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater,* located at the following website link: http://www.deq.idaho.gov/water/permits_forms/permitting/guidance_wlap.pdf., or as approved by the Idaho Department of Environmental Quality, shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance manual.
2) The permittee shall monitor and measure parameters and submit information as stated in the Facility Monitoring Table in this section.
3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4) Monitoring locations are described in Appendix 1, Environmental Monitoring Serial Numbers.
5) Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown.
6) If the soil management unit is less than 15 acres, use 5 sub-samples. If the soil management unit is greater than 15 acres, use 10 sub-samples.
7) Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at 0-12 inches from each sample location shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited and all soil samples collected at 24-36 inches shall be composited. This method will yield three samples for analysis, one for 0-12 inches, one for 12-24 inches and one for 24-36 inches for each soil management unit.

Facility Monitoring Table

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily	Discharge Point of Wastewater to Land Application (Flow Meter)	Volume of Wastewater land applied	Gallons/Month and acre-inches/month applied to each Hydraulic Management Unit
Monthly	Discharge from SBR treatment system after disinfection	Composite sample (minimum of 4 equal aliquots taken from 4 consecutive SBR cycles)	Total Kjeldahl Nitrogen, nitrate+nitrite-nitrogen, TDS, pH, total phosphorus, COD See footnote 1
Twice Weekly	Discharge from SBR treatment system after disinfection	Grab Sample	Total Coliform
Annually	Hydraulic management unit	Acres used for land application	Acres
Annually	Hydraulic management unit	COD loading calculation (GS and NGS)	COD applied in lbs/acre/day see footnote 1

G. Monitoring Requirements

Annually	Hydraulic management unit	Total nitrogen and phosphorus loading calculation from wastewater	Nitrogen and phosphorus applied in lbs/ac-year
Annually	Hydraulic management unit	Total nitrogen and phosphorus load from fertilizer or all other non-wastewater application	Nitrogen and phosphorus applied in lbs/acre-year
Annually	Soil Monitoring unit	Crop Yield Calculation and Crop Type	tons/acre, lbs/acre, or bushels/acre
Annually, end of growing season	Soil Monitoring unit	Composite soil sample (see Notes 6 and 7 on the preceding page regarding how to prepare the composite samples)	Electrical Conductivity, nitrate-N, ammonium-N, plant available phosphorous, pH Note: use Olsen method for soils with pH 6.5 or greater, use Bray method if soil pH is less than 6.5
Annually	Hydraulic management unit	Crop Nutrient Uptake from Crop Tissue Analysis or from standard tables for Crop Type and yield	Nitrogen and phosphorus uptake in lbs/ac-year
Annually	Hydraulic management unit	Irrigation Water Requirement for Crop Grown	Volume (inches/acre and total gallons) for each month during the growing season
Annually	All flow measurement locations	Flow measurement calibration of all flows to land application	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure all wastewater and supplemental irrigation water flows applied to the site

1. The requirement to monitor wastewater for Chemical Oxygen Demand (COD) may be deleted after the first year if the monitoring data for COD results in loading rates below 5 pounds per acre-day for both the growing and non-growing season.
2. Ground water monitoring is not required in this permit.

H. Standard Reporting Requirements

1. The permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year which shall cover the previous year from November 1 through October 31. The Annual Report shall include results for monitoring required in Section G, status of compliance activities, and an interpretive discussion of monitoring data (ground water, vadose zone, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2. The annual report shall contain the results of the required monitoring as described in Section G. Monitoring Requirements. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3. The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-0550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4. Notice of completion of any work described in Section E. *Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5. All laboratory reports containing the sample results for monitoring required by Section G. *Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:
   a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
   b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

      DEQ Regional Office: see Permit Certification Page
      Emergency 24 Hour Number 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
   i. a description of the non-compliance and its cause;
   ii. the period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in section H. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Title 67, Chapter 52, Idaho Code, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-020301	Hydraulic Management Unit - 1 (see Appendix 2)	9.0[(1)]
MU-020302	Hydraulic Management Unit - 2 (see Appendix 2)	20.3[(1)]

Note: 1. HMU areas are contiguous. The area between the two HMU's may be reapportioned as required to achieve the required hydraulic and nutrient loading as long as the total HMU does not exceed 29.3 acres.

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-020301	Discharge from treatment system after disinfection

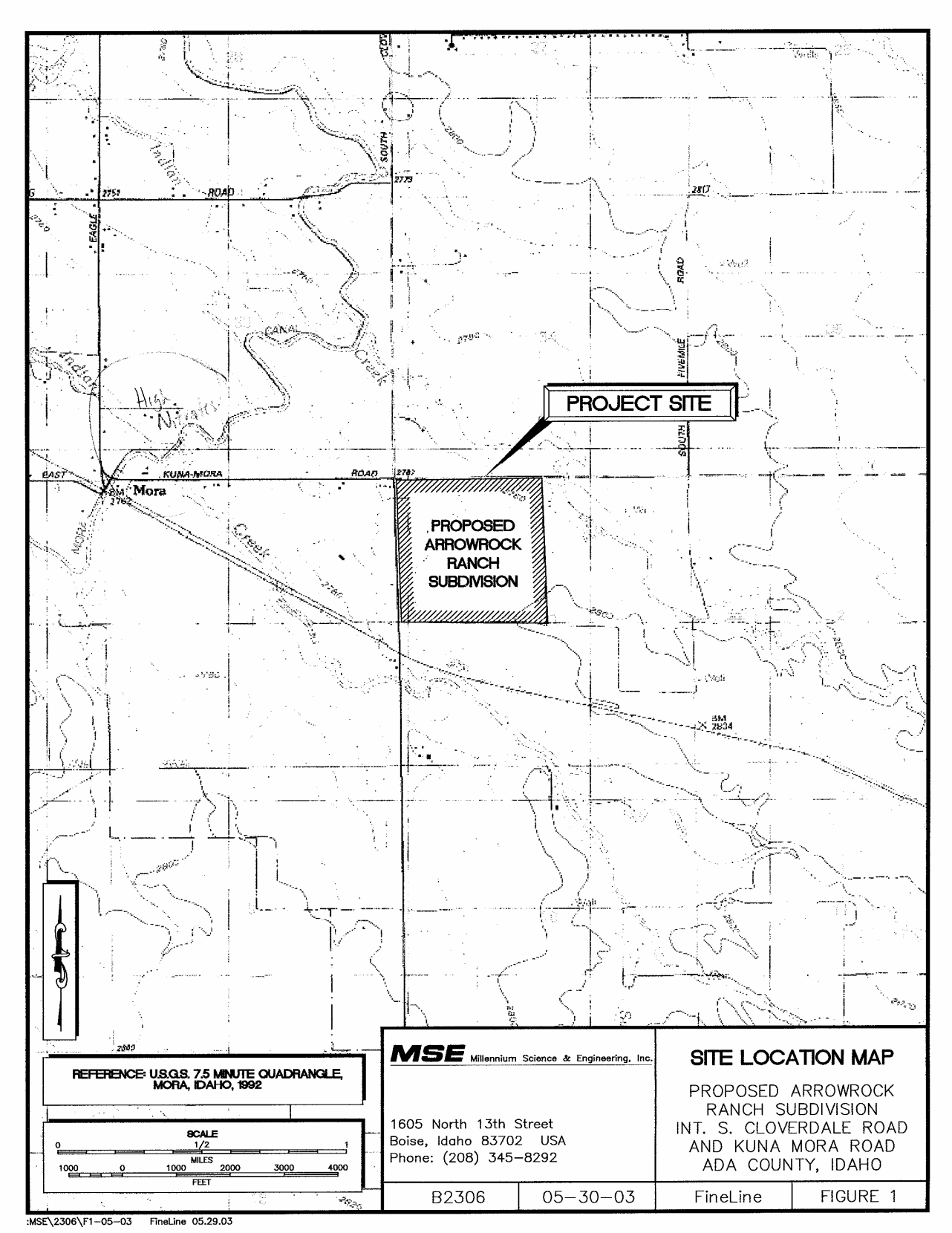
SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-020301	Land application area (HMU-1)	MU-020301
SU-020302	Land application area (HMU-2)	MU-020302

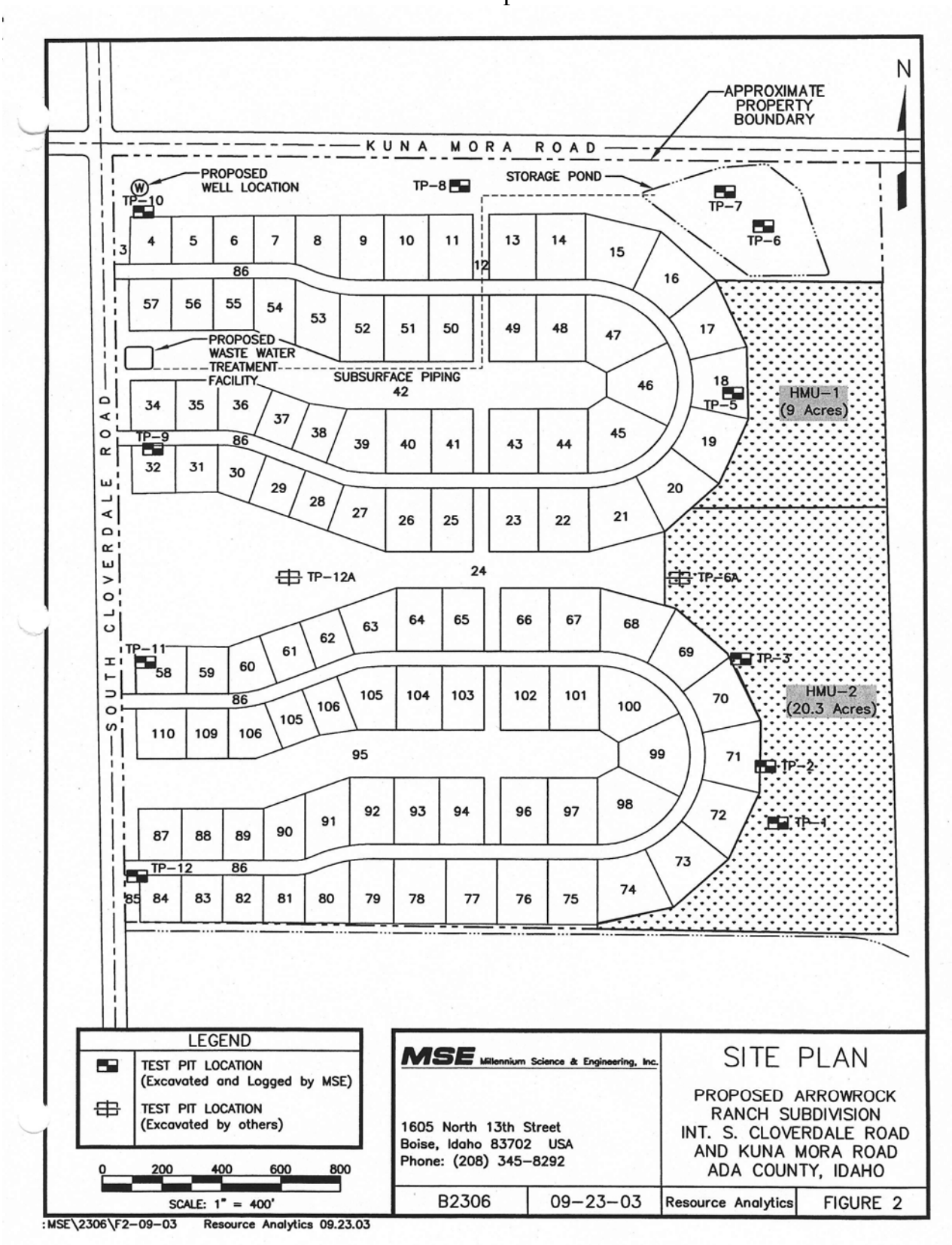
LAGOONS

Serial Number	Description
LG-020301	Effluent storage lagoon

Appendix 2
Site Maps



Appendix 2
Site Maps



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Site Maps